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greater than a mean particle diameter of the inorganic filler.

24. An electronic component unit as claimed in any one of claims 18 through 19 and 21, wherein the anisotropic conductive layer is provided by mixing the solid insulating resin mixed with the inorganic filler (6f) with a conductive particle (10a) that has a mean diameter greater than a mean particle diameter of the inorganic filler.

25. An electronic component mounting method comprising:

forming a ball (96, 96a) at a tip of a metal wire (95) by an electric spark similarly to wire bonding and forming a bump (3, 103) by thermocompression-bonding the formed ball to an electrode (2) of an electronic component (1) with supersonic waves by means of a capillary (93, 193);

mounting the electronic component on a circuit board (4) while aligning in position the electrode of the electronic component with an electrode (5) of the board with interposition of a solid or semi-solid insulating resin layer (6, 306b) in which an insulating resin (306m) is mixed with an inorganic filler (6f) without leveling the formed bump; and

subsequently bonding the electronic component to the circuit board by hardening the insulating resin layer

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interposed between the electronic component and the circuit board while correcting warp of the board and crushing the bump with a pressure force of not smaller than 20 gf per bump applied to the electronic component against the circuit board by means of a tool (8) and heat applied from the electronic component side or heat applied from the board side or heat applied from both the electronic component side and the board side, so that the electrode of the electronic component is electrically connected with the electrode of electrically connected the circuit board.

26. An electronic component mounting method as in claim 25, wherein, before mounting claimed electronic component on the board while aligning position the electrode of the electronic component with the electrode (5) of the circuit board (4) with interposition of the solid or semi-solid insulating resin layer (6, 306b) in which the insulating resin (306m) is mixed with the inorganic filler (6f) after the formation of the bump,

a tip of the formed bump is shaped so as to prevent collapse of a neck portion of the bump by once pressurizing the bump with a load of not greater than 20 gf.

27. An electronic component mounting method as claimed in claim 25 or 26, wherein

the insulating resin (306m) is an insulative thermosetting epoxy resin, and an amount of the inorganic

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filler mixed with this insulative thermosetting epoxy resin is 5 to 90 wt% of the insulative thermosetting epoxy resin.

28. An electronic component mounting method comprising:

forming a ball (96, 96a) at a tip of a metal wire (95) by an electric spark similarly to wire bonding and forming a gold bump (3, 103) by thermocompression-bonding the formed ball to an electrode (2) of an electronic component (1) with supersonic waves by means of a capillary (93, 193);

mounting the electronic component on a circuit board (4) while aligning in position the electrode of the electronic component with an electrode (5) of the board with interposition of a solid or semi-solid insulating resin layer (6, 306b) in which an insulating resin (306m) is mixed with an inorganic filler (6f) without leveling the formed bump;

subsequently metallically bonding the gold bump to the electrode of the board with supersonic waves applied while shaping the tip so as to prevent collapse of a neck portion of the gold bump with a load applied from an upper surface side of the electronic component by means of a tool (8); and

subsequently bonding the electronic component to the circuit board by hardening the insulating resin